

Application No. (Attorney Docket No.36068)

Title: A MILKING DEVICE

Inventors: Wase, Lars and Forsberg, Mats

Preliminary Amendment

ABSTRACT

The invention relates to a milking device, which includes a milk-transporting conduit containing at least one teat cup (151) arranged to be attached to a teat of an animal to be milked, and a milk hose (152) to permit a transportation of milk from the teat to a milk-collecting member (101). The milking device also includes a pump device (110) and a gas supply system. The pump device (110) is connected to the milk-collecting member (101) via the milk-transporting conduit. The gas supply system is arranged to support the transportation of milk by supplying a gas at an atmospheric pressure level. The gas supply system, in turn, includes a gas conditioning sub-system (130) and a gas inlet member (131). The gas conditioning sub-system (120) is arranged to receive an unconditioned gas, and in response thereto, produce a conditioned gas fulfilling at least one quality criterion. The gas inlet member (131) is arranged to introduce the conditioned gas into the milk-transporting conduit and thus permit the transportation of milk. The gas conditioning sub-system (120) is also arranged to supply the conditioned gas to at least one auxiliary gas consuming point (102, 141, 142, 143, 144, 145, 146) of the milking device outside the milk-transporting conduit.